

[ABSTRACT]

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A method for illuminating a liquid crystal display device, a back-light assembly for performing the same and a liquid crystal display device using the same can improve the front luminance and production yield. Light from a lamp is incident to an LCD panel side, which are then primarily diffused for a uniformity of the luminous flux of the incident light. The luminous flux of the primarily diffused light is condensed with respect to a first orientation component on a plane in parallel with the LCD panel, and then partially and secondarily diffused for extending a view angle of pixels of the LCD panel. After the luminous flux of the secondarily diffused light is condensed with respect to a second orientation component perpendicular to the first orientation on the parallel plane, the condensed light is illuminated onto the LCD panel. A diffusion sheet for secondarily diffusing the luminous flux and a condensing sheet for condensing the second orientation component are formed by a single sheet to reduce the manufacturing process of the liquid crystal display device. Also, a defect produced from respective sheets is minimized to enhance the yield.

[REPRESENTATIVE FIGURE]

FIG. 5A